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Approved for use through 10/31/2002 OMB 0651-0032  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 15685P129  
First Inventor Elvino S. Sousa, et al.  
Title Coordinated Hopping in Wireless Networks Using Adaptive Antenna Arrays  
Express Mail Label No. EJ201091082US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 42]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 6]
5. Oath or Declaration [Total Pages   ]
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. § 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Express Mail Certificate

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No:

Prior application Information: Examiner Not yet assigned Group/Art Unit:                     

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 18. CORRESPONDENCE ADDRESS

☒ Customer Number of Bar Code Label

08791

PATENT TRADEMARK OFFICE

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

Name	Gordon R. Lindeen III				
	Blakely, Sokoloff, Taylor & Zafman LLP				
Address	12400 Wilshire Boulevard, Seventh Floor				
City	Los Angeles	State	California	Zip Code	90025-1030
Country	USA	Telephone	(303) 740-1980	Fax	(303) 740-6962

Name (Print/Type)	Gordon R. Lindeen III	Registration No. (Attorney/Agent)	33,192
Signature	<i>Gordon R. Lindeen III</i>	Date	12/31/01

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

12/31/01

JCS62 U.S. PTO

10033362-12/31/01

10/037362



12/31/01

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**FEE TRANSMITTAL  
for FY 2000**

Patent fees are subject to annual revision

**TOTAL AMOUNT OF PAYMENT** (\$) 1,958.00**Complete if Known**

Application Number	Not yet assigned
Filing Date	December 31, 2001
First Named Inventor	Elvino S. Sousa
Examiner Name	Not yet assigned
Group/Art Unit	
Attorney Docket No.	15685P129

**METHOD OF PAYMENT (check one)**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to.

Deposit  
Account  
Number

02-2666

Deposit  
Account  
Name

Blakely, Sokoloff, Taylor &amp; Zafman LLP

- ☒
- Charge Any Additional Fee(s) Required
- 
- Under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20

- ☐
- Applicant claims small entity status
- 
- See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:**

☒ Check ☐ Credit card ☐ Money  
Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	740.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
<b>SUBTOTAL (1)</b>					<b>740.00</b>

**2. EXTRA CLAIM FEES**

Total Claims		Extra Claims		Fee from below		
Independent	Multiple Dependent					
69		20**	49	X	18.00	= \$882.00
7		3**	4	X	84.00	= \$336.00

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple Dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2)</b>				

\*\*or number previously paid, if greater; For Reissues, see below

**FEE CALCULATION (continued)****3. ADDITIONAL FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					
Other fee (specify) _____					
* Reduced by Basic Filing Fee Paid					
<b>SUBTOTAL (3)</b>					<b>(\$)</b>

**SUBMITTED BY**

Name (Print/Type)

Gordon R. Lindeen III

Registration No.  
(Attorney/Agent)

33,192

Telephone

(303) 740-1980

Signature

Date

12/31/01

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2039.**

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**REQUEST AND CERTIFICATION  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor	Elvino S. Sousa
Title	Coordinated Hopping in Wireless Networks Using Adaptive Antenna Arrays
Attorney Docket Number	15685P129

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

12/31/11

Date

  
Signature

Gordon R. Lindeen III, Reg. No. 33,192

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 112(b)(B)(iii)).**

Serial/Patent No.: \_\_\_\_\_ Filing/Issue Date: Concurrently Herewith  
Client: Array Comm, Inc.  
Title: Coordinated Hopping in Wireless Networks Using  
Adaptive Antenna Arrays

BSTZ File No.: 015685P129 Atty/Secty Initials: SEL/AXF/amw  
Date Mailed: 12/31/01 Docket Due Date: \_\_\_\_\_

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- |  |   |
|--|---|
| <input type="checkbox"/> Amendment/Response (____ pgs.)  | <input checked="" type="checkbox"/> Express Mail No. <u>EJ201091082US</u> <input checked="" type="checkbox"/> Check No. <u>2177</u> |
| <input type="checkbox"/> Appeal Brief (____ pgs.) (in triplicate)                                    | <input type="checkbox"/> _____ Month(s) Extension of Time Amt: <u>1958.00</u>   |
| <input checked="" type="checkbox"/> Application - Utility ( <u>42</u> pgs., with cover and abstract) | <input type="checkbox"/> Information Disclosure Statement & PTO-1449 (____ pgs.) <input type="checkbox"/> Check No. _____           |
| <input type="checkbox"/> Application - Rule 1.53(b) Continuation (____ pgs.)                         | <input type="checkbox"/> Issue Fee Transmittal Amt: _____   |
| <input type="checkbox"/> Application - Rule 1.53(b) Divisional (____ pgs.)                           | <input type="checkbox"/> Notice of Appeal   |
| <input type="checkbox"/> Application - Rule 1.53(b) CIP (____ pgs.)                                  | <input type="checkbox"/> Petition for Extension of Time   |
| <input type="checkbox"/> Application - Rule 1.53(d) CPA Transmittal (____ pgs.)                      | <input type="checkbox"/> Petition for _____   |
| <input type="checkbox"/> Application - Design (____ pgs.)  | <input checked="" type="checkbox"/> Postcard  |
| <input type="checkbox"/> Application - PCT (____ pgs.)   | <input type="checkbox"/> Power of Attorney (____ pgs.)  |
| <input type="checkbox"/> Application - Provisional (____ pgs.)                                       | <input type="checkbox"/> Preliminary Amendment (____ pgs.)  |
| <input type="checkbox"/> Assignment and Cover Sheet  | <input type="checkbox"/> Reply Brief (____ pgs.)  |
| <input checked="" type="checkbox"/> Certificate of Mailing   | <input type="checkbox"/> Response to Notice of Missing Parts  |
| <input type="checkbox"/> Declaration & POA (____ pgs.)   | <input type="checkbox"/> Small Entity Declaration for Indep. Inventor/Small Business  |
| <input type="checkbox"/> Disclosure Docs & Qig & Copy of Inventor's Signed Letter (____ pgs.)        | <input checked="" type="checkbox"/> Transmittal Letter, in duplicate  |
| <input checked="" type="checkbox"/> Drawings: <u>6</u> # of sheets includes <u>6</u> figures         | <input checked="" type="checkbox"/> Fee Transmittal, in duplicate   |

☒ Other: Request and Certification forms, Express Mail Certificate

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Date of Deposit: 12/31/01

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April Worley  
(Typed or printed name of person mailing paper or fee)

April Worley  
(Signature of person mailing paper or fee)

12/31/01  
(Date signed)